

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S34	0	"5681696".pn. and frame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/25 07:35
S35	0	"5781696".pn. and frame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/25 07:35
S36	2	"5781696".pn. and (frame or interval or source)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/25 07:36
S37	2	"5781696".pn. and (frame or interval or source or window or interval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/25 07:36
S38	28	(US-20050209847-\$ or US-20060187770-\$ or US-20060143013-\$ or US-20050222847-\$ or US-20050209846-\$ or US-20030165325-\$).did. or (US-7149412-\$ or US-6370315-\$ or US-6356211-\$ or US-6484137-\$ or US-6205420-\$ or US-6049766-\$ or US-5809454-\$ or US-7010491-\$ or US-7171367-\$ or US-6748357-\$ or US-6564187-\$ or US-6421642-\$ or US-6169240-\$ or US-5781696-\$ or US-5717818-\$ or US-5611018-\$ or US-3975763-\$ or US-5717823-\$ or US-5630013-\$ or US-5341432-\$ or US-5668924-\$ or US-5864792-\$). did.	US-PGPUB; USPAT	OR	ON	2007/10/25 07:40
S39	51	"I28" and ((skip\$4 or delet\$3) near3 (frame or window or interval))	US-PGPUB; USPAT	OR	ON	2007/10/25 07:41

## EAST Search History

S40	51	S39 and ((skip\$4 or delet\$3) near3 (frame or window or interval))	US-PGPUB; USPAT	OR	ON	2007/10/25 07:41
S41	9	S38 and ((skip\$4 or delet\$3) near3 (frame or window or interval))	US-PGPUB; USPAT	OR	ON	2007/10/25 07:51
S42	3	S38 and ((skip\$4 or delet\$3) near3 (frame or window or interval)) and (frame same interval)	US-PGPUB; USPAT	OR	ON	2007/10/25 07:52
S43	10	S38 and ((skip\$4 or delet\$3) near3 (frame or window or interval or source))	US-PGPUB; USPAT	OR	ON	2007/10/25 08:10
S44	1	S38 and ((skip\$4 or delet\$3) near3 (frame or window or interval or source)) and (speech near2 source)	US-PGPUB; USPAT	OR	ON	2007/10/25 07:53
S45	4	("20030171937" "6885992").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/25 08:02
S46	863	((audio or speech) near3 (variable or speech or playback)) and ((skip\$4 or delet\$3) near3 (frame or window or interval))	US-PGPUB; USPAT	OR	ON	2007/10/25 08:11
S47	61	((audio or speech) near2 (variable or speech or playback)).ti,ab. and ((skip\$4 or delet\$3) near2 (frame or window or interval))	US-PGPUB; USPAT	OR	ON	2007/10/25 08:34
S48	53	((audio or speech) near2 (variable or speed or playback)).ti,ab. and ((skip\$4 or delet\$3) near2 (frame or window or interval))	US-PGPUB; USPAT	OR	ON	2007/10/25 08:12
S49	49	((audio or speech) near2 (variable or speed or playback)).ti,ab. and ((skip\$4 or delet\$3) near2 (frame))	US-PGPUB; USPAT	OR	ON	2007/10/25 08:12
S50	0	((audio or speech) near2 (variable or speed or playback)).ti,ab. and (((skip\$4 or delet\$3) near2 (frame)) with (increase))	US-PGPUB; USPAT	OR	ON	2007/10/25 08:13
S51	1	((audio or speech) near2 (variable or speed or playback)).ti,ab. and (((skip\$4 or delet\$3) near2 (frame)) same (increase))	US-PGPUB; USPAT	OR	ON	2007/10/25 08:13
S52	3	("5189702").URPN.	USPAT	OR	ON	2007/10/25 08:17

## EAST Search History

S53	32	(US-20050209847-\$ or US-20060187770-\$ or US-20060143013-\$ or US-20050222847-\$ or US-20050209846-\$ or US-20030165325-\$ or US-20030171937-\$).did. or (US-7149412-\$ or US-6370315-\$ or US-6356211-\$ or US-6484137-\$ or US-6205420-\$ or US-6049766-\$ or US-5809454-\$ or US-7010491-\$ or US-7171367-\$ or US-6748357-\$ or US-6564187-\$ or US-6421642-\$ or US-6169240-\$ or US-5781696-\$ or US-5717818-\$ or US-5611018-\$ or US-3975763-\$ or US-5717823-\$ or US-5630013-\$ or US-5341432-\$ or US-5668924-\$ or US-5864792-\$ or US-6885992-\$ or US-5189702-\$ or US-6266643-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/25 08:25
S54	7	S53 and ((skip\$4 or delet\$3) near (frame or window))	US-PGPUB; USPAT	OR	ON	2007/10/25 08:32
S55	1	S53 and ((skip\$4 or delet\$3) near (frame or window)) and (frame with interval)	US-PGPUB; USPAT	OR	ON	2007/10/25 08:32
S56	63	((audio or speech) near2 (rate or variable or speech or playback)).ti, ab. and ((skip\$4 or delet\$3) near2 (frame or sub-frame or subframe))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/10/25 08:36
S57	47	((audio) near2 (rate or variable or playback)).ti,ab. and ((skip\$4 or delet\$3) near2 (frame or sub-frame or subframe))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/10/25 08:36
S58	45	((audio) near2 (rate or variable or playback)).ti,ab. and ((skip\$4 or delet\$3) near2 (frame or sub-frame or subframe)) and (encode or code or decode or features or spectrum)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/10/25 08:42
S59	10	((audio) near2 (rate or variable or playback)).ti,ab. and ((skip\$4 or delet\$3) near2 (frame or sub-frame or subframe)) and (encode or code or decode or features or spectrum) and (pitch or fundamental)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/10/25 08:42

## EAST Search History

S60	32	(US-20060187770-\$ or US-20060143013-\$ or US-20050222847-\$ or US-20050209846-\$ or US-20050209847-\$ or US-20030165325-\$ or US-20030171937-\$).did. or (US-5781696-\$ or US-7171367-\$ or US-7149412-\$ or US-6564187-\$ or US-7010491-\$ or US-6748357-\$ or US-6370315-\$ or US-6484137-\$ or US-6421642-\$ or US-6356211-\$ or US-5864792-\$ or US-6205420-\$ or US-6169240-\$ or US-6049766-\$ or US-5717818-\$ or US-5809454-\$ or US-5630013-\$ or US-5717823-\$ or US-5668924-\$ or US-5341432-\$ or US-5611018-\$ or US-3975763-\$ or US-6885992-\$ or US-5189702-\$ or US-6266643-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/25 11:52
S61	17	S60 and (pitch and frame)	US-PGPUB; USPAT	OR	ON	2007/10/25 11:52
S62	16	S60 and (pitch and frame and speed)	US-PGPUB; USPAT	OR	ON	2007/10/25 11:54
S63	5	S60 and (pitch and speed) and (frame same (delet\$3 or remov\$3))	US-PGPUB; USPAT	OR	ON	2007/10/25 12:14
S64	4	S60 and (pitch and speed) and (frame same (delet\$3 or remov\$3)) and (window or concatenat\$3 or overlap)	US-PGPUB; USPAT	OR	ON	2007/10/25 12:15
S65	248	((audio or speech) and (play or playback) and ((increase or faster) near (speed or rate or playback))) and ((skip\$4 or delet\$3) near frame)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 07:16
S66	111	((audio or speech) and (play or playback) and ((increase or faster) near (speed or rate or playback))) and (((skip\$4 or delet\$3) near frame) same (speech or rate))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 07:16
S67	46	((audio or speech) and (play or playback) and ((increase or faster) near (speed or rate or playback))) and (((skip\$4 or delet\$3) near frame) same (speech or rate) with (increas\$3 or faster))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 07:18

## EAST Search History

S68	17	((audio or speech) and (play or playback) and ((increase or faster) near (speed or rate or playback))) and (((skip\$4 or delet\$3) near frame) same (speech or rate) with (increas\$3 or faster)) and (window or pitch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 07:19
S69	36	(US-20060187770-\$ or US-20050209847-\$ or US-20060143013-\$ or US-20050222847-\$ or US-20050209846-\$ or US-20030171937-\$ or US-20030165325-\$ or US-20060271980-\$ or US-20060190809-\$ or US-20050152457-\$ or US-20030046080-\$).did. or (US-7149412-\$ or US-7171367-\$ or US-7010491-\$ or US-6885992-\$ or US-6748357-\$ or US-6370315-\$ or US-6564187-\$ or US-6484137-\$ or US-6421642-\$ or US-6169240-\$ or US-6356211-\$ or US-6266643-\$ or US-6205420-\$ or US-5809454-\$ or US-6049766-\$ or US-5864792-\$ or US-5717818-\$ or US-5781696-\$ or US-5717823-\$ or US-5630013-\$ or US-5668924-\$ or US-5341432-\$ or US-5611018-\$ or US-5189702-\$ or US-3975763-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/26 07:24
S70	12	S69 and ((skip\$4 or delet\$3) near2 frame)	US-PGPUB; USPAT	OR	ON	2007/10/26 07:27
S71	10	S69 and ((skip\$4 or delet\$3) near2 frame) same (time or speed)	US-PGPUB; USPAT	OR	ON	2007/10/26 07:32
S72	10	audio and ((skip\$4 or delet\$3) near2 frame) same (time or speed) same overlap\$4	US-PGPUB; USPAT	OR	ON	2007/10/26 07:32
S73	21	("4628529" "4630305" "4811404" "5285165" "5706394" "6001131" "6032114" "6070137" "6122384" "6122610").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 06:39
S74	13	("6122610" or "6122384" or "6070137" or "6032114" or "5706394" or "5285165").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 06:40

## EAST Search History

S75	46	(US-20030171937-\$ or US-20030165325-\$ or US-20050209846-\$ or US-20050222847-\$ or US-20060143013-\$ or US-20050209847-\$ or US-20060187770-\$ or US-20030046080-\$ or US-20060190809-\$ or US-20060271980-\$ or US-20050152457-\$).did. or (US-3975763-\$ or US-5717818-\$ or US-5864792-\$ or US-6421642-\$ or US-5781696-\$ or US-6169240-\$ or US-5341432-\$ or US-6564187-\$ or US-6748357-\$ or US-7010491-\$ or US-7171367-\$ or US-5809454-\$ or US-6049766-\$ or US-6205420-\$ or US-6356211-\$ or US-6484137-\$ or US-6885992-\$ or US-6370315-\$ or US-7149412-\$ or US-5717823-\$ or US-5611018-\$ or US-5630013-\$ or US-5668924-\$ or US-5189702-\$ or US-6266643-\$ or US-6122610-\$). did. or (US-6122384-\$ or US-6070137-\$ or US-6032114-\$ or US-6001131-\$ or US-5706394-\$ or US-5285165-\$ or US-4811404-\$ or US-4630305-\$ or US-4628529-\$). did.	US-PGPUB; USPAT	OR	ON	2007/10/29 06:44
S76	12	S75 and ((buffer or interval or frames) with (noise))	US-PGPUB; USPAT	OR	ON	2007/10/29 06:48
S77	0	S75 and (((buffer or store) near3 frames) same noise)	US-PGPUB; USPAT	OR	ON	2007/10/29 06:48
S78	2	S75 and (((buffer or store) with frame) same noise)	US-PGPUB; USPAT	OR	ON	2007/10/29 06:50
S79	2	S75 and (((buffer or store) with frame) same noise) and (frame or samples or interval or seconds)	US-PGPUB; USPAT	OR	ON	2007/10/29 06:52
S80	2	S75 and (((buffer or store) with frame) same noise) and (frame or samples or interval or seconds or milliseconds or msecs)	US-PGPUB; USPAT	OR	ON	2007/10/29 06:53
S81	8	S75 and (((buffer or store) with frame) and noise) and (frame or samples or interval or seconds or milliseconds or msecs)	US-PGPUB; USPAT	OR	ON	2007/10/29 07:00

## EAST Search History

S84	54	(speech and noise).ti,ab. and (((buffer or store) with frame) with noise) and (frame or samples or interval or seconds or milliseconds or msec)	US-PGPUB; USPAT	OR	ON	2007/10/29 07:01
S85	54	(speech and noise).ti,ab. and (((buffer or store) with frame) with noise)	US-PGPUB; USPAT	OR	ON	2007/10/29 07:07
S86	8	(speech and noise).ti,ab. and (((buffer or store) with frame) with noise with (sec or seconds or milliseconds or msec))	US-PGPUB; USPAT	OR	ON	2007/10/29 07:02
S87	13	(speech and noise).ti. and (((buffer or store) with frame) with noise)	US-PGPUB; USPAT	OR	ON	2007/10/29 07:05
S88	24	(speech and noise).ti,ab. and (((buffer\$3) near2 frames) with noise)	US-PGPUB; USPAT	OR	ON	2007/10/29 07:09
S89	3	(speech and noise).ti,ab. and (((buffer\$3) near2 frames) with noise with (seconds or milliseconds or "secs." or "msecs."))	US-PGPUB; USPAT	OR	ON	2007/10/29 07:08
S90	9	(speech and noise).ti,ab. and (((buffer\$3) near2 frames) with noise)	US-PGPUB; USPAT	OR	OFF	2007/10/29 07:48
S91	0	(comfort near noise).ti,ab. and (frame with ("128" or "256") with (milliseconds or msec or "msec."))	US-PGPUB; USPAT	OR	OFF	2007/10/29 07:49
S92	0	(comfort near noise).ti,ab. and ((frame or windo) with ("128" or "256") with (milliseconds or msec or "msec."))	US-PGPUB; USPAT	OR	OFF	2007/10/29 07:49
S93	11	(noise).ti,ab,bsum. and ((frame or window) with ("128" or "256") with (milliseconds or msec or "msec.") same noise)	US-PGPUB; USPAT	OR	OFF	2007/10/29 07:50
S94	1	(noise).ti,ab,bsum. and ((frame or window) with ("128" or "256") adj2 (milliseconds or msec or "msec.") same noise)	US-PGPUB; USPAT	OR	OFF	2007/10/29 07:50
S95	1	((frame or window) with ("128" or "256") adj2 (milliseconds or msec or "msec.") same noise)	US-PGPUB; USPAT	OR	OFF	2007/10/29 07:51
S96	37	((frame or window) with ("128" or "256" or "200" or ".128" or ".256" or ".200") adj2 (milliseconds or msec or "msec." or sec or "sec." or seconds) same noise)	US-PGPUB; USPAT	OR	OFF	2007/10/29 07:52

## EAST Search History

S97	4	(noise).ti,ab. and ((frame or window) with ("128" or "256" or "200" or ".128" or ".256" or ".200") adj2 (milliseconds or msec or "msec." or sec or "sec." or seconds) same noise)	US-PGPUB; USPAT	OR	OFF	2007/10/29 07:52
S98	47	(US-20030171937-\$ or US-20030165325-\$ or US-20050209846-\$ or US-20050222847-\$ or US-20060143013-\$ or US-20050209847-\$ or US-20060187770-\$ or US-20030046080-\$ or US-20060190809-\$ or US-20060271980-\$ or US-20050152457-\$).did. or (US-3975763-\$ or US-5717818-\$ or US-5864792-\$ or US-6421642-\$ or US-5781696-\$ or US-6169240-\$ or US-5341432-\$ or US-6564187-\$ or US-6748357-\$ or US-7010491-\$ or US-7171367-\$ or US-5809454-\$ or US-6049766-\$ or US-6205420-\$ or US-6356211-\$ or US-6484137-\$ or US-6885992-\$ or US-6370315-\$ or US-7149412-\$ or US-5717823-\$ or US-5611018-\$ or US-5630013-\$ or US-5668924-\$ or US-5189702-\$ or US-6266643-\$ or US-6122610-\$). did. or (US-6122384-\$ or US-6070137-\$ or US-6032114-\$ or US-6001131-\$ or US-5706394-\$ or US-5285165-\$ or US-4811404-\$ or US-4630305-\$ or US-4628529-\$ or US-6834107-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/29 08:40
S99	17	S98 and (("128" with "256") or "200")	US-PGPUB; USPAT	OR	ON	2007/10/29 08:41
S10 0	2	S98 and (((("128" with "256") or "200") with ("msecs." or msecs or milliseconds))).	US-PGPUB; USPAT	OR	ON	2007/10/29 08:41
S10 1	287	singhal.in. and ("200" or "128" or "256")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 08:43



## EAST Search History

S10 2	2	S98 and singhal.in. and ("200" or "128" or "256")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 08:43
S10 3	41	zheng.in. and noise.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 08:44
S10 4	3	zheng.in. and (noise and stripping). ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 08:45
S10 5	1	zheng.in. and (noise and stripping). ti. and ("128" and "256")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 08:48
S10 6	1	zheng.in. and (noise and stripping). ti. and (("0.3" or "0.5" or S73) near (sec or seconds ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 09:13
S10 7	2	"6167373".pn. and (time or interval or samples or frame or window)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 08:51
S10 8	2	zheng.in. and (noise and stripping). ti. and ((rotation with truncation) or mirror)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/29 09:13